

## DOCUMENT RESUME

ED 056 195

VT 014 087

TITLE Vocational Education in Major Cities; Analysis of Population, Vocational Education Enrollment, Teachers, and Expenditures, Fiscal Year 1970.

INSTITUTION Office of Education (DHEW), Washington, D.C. Div. of Vocational and Technical Education.

PUB DATE 70

NOTE 20p.

EDRS PRICE MF-\$0.65 HC-\$3.29

DESCRIPTORS Enrollment; \*Expenditure Per Student; Manpower Development; \*Population Distribution; \*Tables (Data); \*Urban Areas; Urban Population; \*Vocational Education; Vocational Education Teachers

### ABSTRACT

The information presented in this report is taken from annual vocational education reports submitted by the states and includes data from the major cities. Population data are taken from the 1970 Census Report. The purpose of the material is to give some indication as to the states' population served by vocational education in the major cities and the expenditures that were made for vocational education. Conclusions drawn from the tabular data include: (1) A comparison of vocational education enrollment with population reveals that the percentages of enrollment in major cities fall behind the percentages of population. In 25 cities, the enrollment percentage is less than the population percentage. (2) A comparison of Federal expenditures with population reveals that 25 cities expend a lesser percentage of the state's Federal funds than their percentage of population. (3) A comparison of state and local expenditures with population reveals that 28 cities expend a lesser percentage of the state's total expenditures than their percentage of population. (4) A comparison of enrollment by target group with enrollment reveals that 17 cities have a higher percentage of disadvantaged than their percentage of the state's total enrollment and 12 cities exceed in percentage of handicapped over the state's total enrollment. (Author/JS)

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VOCATIONAL EDUCATION IN MAJOR CITIES

Analysis of Population, Vocational Education

Enrollment, Teachers, and Expenditures

Fiscal Year 1970

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Office of Education  
Bureau of Adult, Vocational, and Technical Education  
Division of Vocational and Technical Education  
Washington, D.C. 20202

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## INTRODUCTION

The information presented in this report is taken from annual vocational education reports submitted by the States and includes data from the major cities. Population data are taken from the 1970 Census Report.

The purpose of the material is to give some indication as to the States' population served by vocational education in the major cities and the expenditures that were made for vocational education. The total vocational enrollment for the State and city is reported with a breakdown by level of education and the number of enrollees who are disadvantaged and handicapped. The expenditures for vocational education are reported by Federal and State/Local sources, by the total amount of expenditures allocated to each level of education, and by the total amount allocated to the disadvantaged and handicapped. For States having more than one major city, a total is compiled with a percentage for the total indicated. Information on 40 major cities is included. Reports were not received for 15 of the 50 biggest cities, as identified by the Census, in Arizona, California, Florida, Maryland, and New York.

## SUMMARY

### 1. Major City Proportion of State Varies Widely

The 40 major cities reported show a range in percentages of their respective States for selected items as follows:

|                          | <u>Low</u>  | <u>High</u>  |
|--------------------------|-------------|--------------|
| Population               | 2.5 percent | 42.2 percent |
| Vocational Enrollment    | 1.7 percent | 35.6 percent |
| Federal Expenditures     | 0.1 percent | 63.6 percent |
| State/Local Expenditures | 0.1 percent | 70.5 percent |
| Number of Teachers       | 1.5 percent | 69.7 percent |

### 2. Major City Vocational Education Enrollment Lags Population

A comparison of vocational education enrollment with population reveals that the percentages of enrollment in major cities fall behind the percentages of population. In 25 cities, the enrollment percentage is less than the population percentage.

### 3. Major City Federal Expenditure Lags Population

A comparison of Federal expenditures with population reveals that 25 cities expend a lesser percentage of the State's Federal funds than their percentage of population.

4. Major City State/Local Expenditures Lag Population

A comparison of State and local expenditures with population reveals that 28 cities expend a lesser percentage of the State's total expenditures than their percentage of population.

5. Teachers Compare Favorably with Population and Enrollment

A comparison of the number of teachers with population reveals that in 17 cities the percentage of teachers exceeds their percentage of population, and 23 cities have a larger percentage of the State's total teachers than their percentage of vocational enrollment.

6. Major Cities Emphasize Adult and Postsecondary Programs

A comparison of enrollment by level of education with total vocational enrollment reveals that major cities have a higher proportion of the State's postsecondary and adult enrollments and a less percentage of secondary enrollment. Only 11 cities have a higher percentage of secondary enrollment than total enrollment while 22 cities have higher percentages of postsecondary enrollment and 26 cities have higher percentages of adult enrollment. In 24 cities the percentage of postsecondary enrollment exceeds the percentage of secondary enrollment, and in 28 cities the percentage of adult enrollment exceeds the percentage of secondary enrollment.

7. Major Cities Lag in Enrollment of Disadvantaged and Handicapped

A comparison of enrollment by target group with total enrollment reveals that 17 cities have a higher percentage of disadvantaged than their percentage of the State's total enrollment and 12 cities exceed in percentage of handicapped over the State's total enrollment.

8. Major City Expenditures Deviate Considerably From Enrollment

A comparison of expenditures and enrollment by level of education and target group indicates the following:

Secondary - In 18 cities the percentages of expenditures exceed the enrollment.

Postsecondary - In 11 cities the percentages of expenditures exceed the enrollment.

Adult - In 22 cities the percentages of expenditures exceed the enrollment.

Disadvantaged - In 20 cities the percentages of expenditures exceed the enrollment.

Handicapped - In 20 cities the percentages of expenditures exceed the enrollment.

Table 1 - TOTAL AND PERCENTAGE OF STATES' POPULATION  
IN MAJOR CITIES

| <u>State</u>  | <u>City</u>  | <u>1970<br/>Population</u> | <u>Percent-<br/>age</u> |
|---------------|--------------|----------------------------|-------------------------|
| Alabama       |              | 3,444,165                  | 100.0                   |
|               | Birmingham   | 300,910                    | 8.7                     |
|               | Mobile       | 190,026                    | 5.5                     |
|               | Total        | 490,936                    | 14.2                    |
| Colorado      |              | 2,207,259                  | 100.0                   |
|               | Denver       | 514,678                    | 23.3                    |
| Georgia       |              | 4,589,575                  | 100.0                   |
|               | Atlanta      | 496,973                    | 10.8                    |
| Hawaii        |              | 769,913                    | 100.0                   |
|               | Honolulu     | 324,871                    | 42.2                    |
| Illinois      |              | 11,113,976                 | 100.0                   |
|               | Chicago      | 3,366,957                  | 30.3                    |
| Indiana       |              | 5,193,669                  | 100.0                   |
|               | Indianapolis | 744,624                    | 14.3                    |
| Kansas        |              | 2,249,071                  | 100.0                   |
|               | Wichita      | 276,554                    | 12.3                    |
| Kentucky      |              | 3,219,311                  | 100.0                   |
|               | Louisville   | 361,472                    | 11.2                    |
| Louisiana     |              | 3,643,180                  | 100.0                   |
|               | New Orleans  | 593,471                    | 16.3                    |
| Massachusetts |              | 5,689,170                  | 100.0                   |
|               | Boston       | 641,071                    | 11.3                    |
| Michigan      |              | 8,875,083                  | 100.0                   |
|               | Detroit      | 1,511,482                  | 17.0                    |
| Minnesota     |              | 3,805,069                  | 100.0                   |
|               | Minneapolis  | 434,400                    | 11.4                    |
|               | St. Paul     | 309,980                    | 8.1                     |
|               | Total        | 744,380                    | 19.5                    |
| Missouri      |              | 4,677,399                  | 100.0                   |
|               | Kansas City  | 507,087                    | 10.8                    |
|               | St. Louis    | 622,236                    | 13.3                    |
|               | Total        | 1,129,323                  | 24.1                    |
| Nebraska      |              | 1,483,791                  | 100.0                   |
|               | Omaha        | 347,328                    | 23.4                    |

Table 1 - TOTAL AND PERCENTAGE OF STATES' POPULATION  
IN MAJOR CITIES (Cont'd)

| <u>State</u> | <u>City</u>   | <u>1970<br/>Population</u> | <u>Percent-<br/>age</u> |
|--------------|---------------|----------------------------|-------------------------|
| New Jersey   |               | 7,168,164                  | 100.0                   |
|              | Jersey City   | 260,545                    | 3.6                     |
|              | Newark        | 382,417                    | 5.3                     |
|              | Total         | 642,962                    | 8.9                     |
| New Mexico   |               | 1,016,000                  | 100.0                   |
|              | Albuquerque   | 243,751                    | 24.0                    |
| Ohio         |               | 10,652,017                 | 100.0                   |
|              | Akron         | 275,425                    | 2.6                     |
|              | Cincinnati    | 452,524                    | 4.2                     |
|              | Cleveland     | 750,903                    | 7.0                     |
|              | Columbus      | 539,677                    | 5.1                     |
|              | Dayton        | 243,601                    | 2.3                     |
|              | Toledo        | 383,818                    | 3.6                     |
|              | Total         | 2,645,948                  | 24.8                    |
| Oklahoma     |               | 2,559,253                  | 100.0                   |
|              | Oklahoma City | 366,481                    | 14.3                    |
|              | Tulsa         | 331,633                    | 13.0                    |
|              | Total         | 698,119                    | 27.3                    |
| Oregon       |               | 2,091,385                  | 100.0                   |
|              | Portland      | 382,619                    | 18.3                    |
| Pennsylvania |               | 11,793,909                 | 100.0                   |
|              | Philadelphia  | 1,948,609                  | 16.5                    |
|              | Pittsburgh    | 520,117                    | 4.4                     |
|              | Total         | 2,468,726                  | 20.9                    |
| Tennessee    |               | 3,924,164                  | 100.0                   |
|              | Memphis       | 623,530                    | 15.9                    |
| Texas        |               | 11,196,730                 | 100.0                   |
|              | Dallas        | 844,401                    | 7.5                     |
|              | El Paso       | 322,261                    | 2.9                     |
|              | Fort Worth    | 393,476                    | 3.5                     |
|              | Houston       | 1,232,802                  | 11.0                    |
|              | San Antonio   | 654,153                    | 5.8                     |
|              | Total         | 3,447,093                  | 30.8                    |
| Virginia     |               | 4,648,494                  | 100.0                   |
|              | Norfolk       | 307,951                    | 6.6                     |
| Washington   |               | 3,409,169                  | 100.0                   |
|              | Seattle       | 530,831                    | 15.6                    |
| Wisconsin    |               | 4,417,933                  | 100.0                   |
|              | Milwaukee     | 717,099                    | 16.2                    |

Table 2 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL  
EDUCATION ENROLLMENT IN MAJOR CITIES, FY 1970

|               | Total<br>Enroll-<br>ment | Per-<br>cent-<br>age | Secondary       |                      | Postsecondary   |                      | Adult           |                      |
|---------------|--------------------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
|               |                          |                      | Enroll-<br>ment | Per-<br>cent-<br>age | Enroll-<br>ment | Per-<br>cent-<br>age | Enroll-<br>ment | Per-<br>cent-<br>age |
| Alabama       | 153,721                  | 100.0                | 91,883          | 100.0                | 15,354          | 100.0                | 46,484          | 100.0                |
| Birmingham    | 12,063                   | 7.8                  | 5,999           | 6.5                  | 1,371           | 8.9                  | 4,693           | 10.0                 |
| Mobile        | 8,847                    | 5.7                  | 3,424           | 3.7                  | 1,562           | 10.1                 | 3,801           | 8.1                  |
| Total         | 20,910                   | 13.6                 | 9,423           | 10.3                 | 2,933           | 19.1                 | 8,494           | 18.2                 |
| Colorado      | 106,821                  | 100.0                | 48,377          | 100.0                | 16,774          | 100.0                | 41,670          | 100.0                |
| Denver        | 33,078                   | 30.9                 | 6,014           | 12.4                 | 2,489           | 14.8                 | 24,575          | 14.8                 |
| Georgia       | 298,619                  | 100.0                | 173,128         | 100.0                | 17,042          | 100.0                | 108,449         | 100.0                |
| Atlanta       | 34,301                   | 11.4                 | 10,379          | 5.9                  | 3,238           | 19.0                 | 20,684          | 19.0                 |
| Hawaii        | 39,764                   | 100.0                | 27,373          | 100.0                | 5,758           | 100.0                | 6,633           | 100.0                |
| Honolulu      | 29,787                   | 74.9                 | 20,533          | 75.0                 | 4,488           | 77.9                 | 4,766           | 71.8                 |
| Illinois      | 626,740                  | 100.0                | 529,054         | 100.0                | 48,259          | 100.0                | 49,427          | 100.0                |
| Chicago       | 131,296                  | 20.9                 | 93,737          | 17.7                 | 18,191          | 3.7                  | 19,368          | 39.2                 |
| Indiana       | 119,607                  | 100.0                | 78,579          | 100.0                | 5,626           | 100.0                | 35,402          | 100.0                |
| Indianapolis  | 4,187                    | 3.5                  | 2,263           | 2.8                  | 361             | 6.4                  | 1,563           | 4.4                  |
| Kansas        | 76,766                   | 100.0                | 31,565          | 100.0                | 5,249           | 100.0                | 39,952          | 100.0                |
| Wichita       | 13,224                   | 17.2                 | 6,070           | 19.2                 | 300             | 5.7                  | 6,854           | 1.7                  |
| Kentucky      | 127,783                  | 100.0                | 78,911          | 100.0                | 7,309           | 100.0                | 41,563          | 100.0                |
| Louisville    | 5,374                    | 4.2                  | 3,952           | 5.0                  | 186             | 2.5                  | 1,236           | 3.0                  |
| Louisiana     | 165,481                  | 100.0                | 123,141         | 100.0                | 15,801          | 100.0                | 26,539          | 100.0                |
| New Orleans   | 12,312                   | 7.4                  | 7,571           | 6.1                  | 1,659           | 10.4                 | 3,082           | 11.6                 |
| Massachusetts | 113,673                  | 100.0                | 83,992          | 100.0                | 11,399          | 100.0                | 18,282          | 100.0                |
| Boston        | 10,805                   | 9.5                  | 8,122           | 9.7                  | 253             | 2.2                  | 2,430           | 13.3                 |
| Michigan      | 327,235                  | 100.0                | 170,217         | 100.0                | 34,954          | 100.0                | 122,726         | 100.0                |
| Detroit       | 31,240                   | 9.5                  | 19,319          | 11.3                 | 220             | 0.1                  | 11,701          | 9.5                  |
| Minnesota     | 240,766                  | 100.0                | 136,646         | 100.0                | 16,845          | 100.0                | 87,275          | 100.0                |
| Minneapolis   | 32,657                   | 13.6                 | 13,140          | 9.6                  | 1,184           | 7.0                  | 18,333          | 21.0                 |
| St. Paul      | 33,127                   | 13.8                 | 12,092          | 8.8                  | 2,351           | 14.0                 | 18,684          | 21.4                 |
| Total         | 65,784                   | 27.3                 | 25,232          | 18.4                 | 3,535           | 21.0                 | 37,014          | 42.4                 |
| Missouri      | 144,338                  | 100.0                | 97,054          | 100.0                | 9,068           | 100.0                | 38,216          | 100.0                |
| Kansas City   | 8,122                    | 5.6                  | 1,813           | 1.9                  | 2,086           | 23.0                 | 4,218           | 11.0                 |
| St. Louis     | 17,220                   | 11.9                 | 6,859           | 7.1                  | 2,821           | 31.1                 | 7,540           | 19.7                 |
| Total         | 25,342                   | 17.6                 | 8,677           | 9.0                  | 4,907           | 54.1                 | 11,758          | 30.7                 |
| Nebraska      | 60,583                   | 100.0                | 34,508          | 100.0                | 3,983           | 100.0                | 22,092          | 100.0                |
| Omaha         | 7,663                    | 12.6                 | 4,355           | 12.6                 | 364             | 9.1                  | 2,944           | 12.8                 |



Table 2 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL  
EDUCATION ENROLLMENT IN MAJOR CITIES, FY 1970 (Cont'd)

|               | Total<br>Enroll-<br>ment | Per-<br>cent-<br>age | Secondary       |                      | Postsecondary   |                      | Adult           |                      |
|---------------|--------------------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
|               |                          |                      | Enroll-<br>ment | Per-<br>cent-<br>age | Enroll-<br>ment | Per-<br>cent-<br>age | Enroll-<br>ment | Per-<br>cent-<br>age |
| New Jersey    | 152,532                  | 100.0                | 117,424         | 100.0                | 7,523           | 100.0                | 27,585          | 100.0                |
| Jersey City   | 5,967                    | 3.9                  | 5,653           | 4.8                  | 0               | -                    | 314             | 1.1                  |
| Newark        | 9,055                    | 5.9                  | 8,364           | 7.1                  | 0               | -                    | 691             | 2.5                  |
| Total         | 15,022                   | 9.8                  | 14,017          | 11.9                 | 0               | -                    | 1,005           | 3.6                  |
| New Mexico    | 34,428                   | 100.0                | 21,819          | 100.0                | 4,927           | 100.0                | 7,682           | 100.0                |
| Albuquerque   | 11,664                   | 30.9                 | 3,600           | 16.4                 | 2,050           | 41.6                 | 6,014           | 78.2                 |
| Ohio          | 331,739                  | 100.0                | 142,092         | 100.0                | 9,834           | 100.0                | 179,763         | 100.0                |
| Akron         | 4,640                    | 1.4                  | 2,424           | 1.7                  | 243             | 2.5                  | 1,973           | 1.1                  |
| Cincinnati    | 15,227                   | 4.6                  | 3,630           | 2.6                  | 755             | 7.6                  | 10,842          | 6.0                  |
| Cleveland     | 21,403                   | 6.5                  | 7,018           | 4.9                  | 373             | 3.8                  | 14,012          | 7.8                  |
| Columbus      | 5,697                    | 1.7                  | 1,931           | 1.4                  | 212             | 2.1                  | 3,554           | 2.0                  |
| Dayton        | 10,274                   | 3.1                  | 3,145           | 2.2                  | 414             | 4.2                  | 6,715           | 3.7                  |
| Toledo        | 44,335                   | 13.4                 | 6,261           | 4.4                  | 300             | 3.0                  | 37,774          | 21.0                 |
| Total         | 101,576                  | 30.6                 | 24,409          | 17.2                 | 2,297           | 23.2                 | 74,870          | 41.6                 |
| Oklahoma      | 104,017                  | 100.0                | 63,940          | 100.0                | 3,417           | 100.0                | 36,660          | 100.0                |
| Oklahoma City | 7,262                    | 6.9                  | 3,056           | 4.7                  | 413             | 12.0                 | 3,793           | 10.3                 |
| Tulsa         | 3,976                    | 3.8                  | 1,796           | 2.8                  | 224             | 6.5                  | 1,956           | 5.3                  |
| Total         | 11,238                   | 10.8                 | 4,852           | 7.5                  | 637             | 18.6                 | 5,749           | 15.6                 |
| Oregon        | 103,694                  | 100.0                | 63,926          | 100.0                | 16,043          | 100.0                | 23,725          | 100.0                |
| Portland      | 36,937                   | 35.6                 | 16,561          | 25.9                 | 1,188           | 7.4                  | 19,188          | 80.9                 |
| Pennsylvania  | 333,903                  | 100.0                | 199,959         | 100.0                | 20,788          | 100.0                | 113,156         | 100.0                |
| Philadelphia  | 41,571                   | 12.4                 | 28,293          | 14.1                 | 637             | 3.0                  | 12,641          | 11.1                 |
| Pittsburgh    | 9,884                    | 2.9                  | 8,303           | 4.1                  | 435             | 2.0                  | 1,145           | 1.0                  |
| Total         | 51,455                   | 15.4                 | 36,396          | 18.2                 | 1,072           | 5.0                  | 13,786          | 12.1                 |
| Tennessee     | 137,460                  | 100.0                | 91,113          | 100.0                | 13,467          | 100.0                | 32,880          | 100.0                |
| Memphis       | 18,761                   | 13.6                 | 9,419           | 10.3                 | 2,469           | 18.3                 | 6,873           | 20.9                 |
| Texas         | 510,633                  | 100.0                | 267,426         | 100.0                | 28,615          | 100.0                | 214,592         | 100.0                |
| Dallas        | 29,727                   | 5.8                  | 2,491           | .9                   | 2,071           | 7.2                  | 25,165          | 11.7                 |
| El Paso       | 14,786                   | 2.8                  | 5,582           | 2.0                  | 88              | .3                   | 9,116           | 4.2                  |
| Fort Worth    | 14,392                   | 2.8                  | 8,152           | 3.0                  | 2,671           | 9.3                  | 3,569           | 1.6                  |
| Houston       | 34,907                   | 6.8                  | 19,329          | 7.2                  | 2,424           | 8.4                  | 13,154          | 6.1                  |
| San Antonio   | 14,752                   | 2.8                  | 4,619           | 1.7                  | 2,523           | 8.8                  | 7,610           | 3.5                  |
| Total         | 108,564                  | 21.2                 | 40,173          | 15.0                 | 9,777           | 34.1                 | 58,614          | 27.7                 |
| Virginia      | 273,357                  | 100.0                | 179,885         | 100.0                | 9,273           | 100.0                | 84,199          | 100.0                |
| Norfolk       | 16,811                   | 6.1                  | 10,618          | 5.9                  | 714             | 7.6                  | 5,479           | 6.5                  |
| Washington    | 215,358                  | 100.0                | 111,042         | 100.0                | 43,772          | 100.0                | 60,546          | 100.0                |
| Seattle       | 24,361                   | 11.3                 | 7,354           | 6.6                  | 4,569           | 10.4                 | 12,438          | 20.5                 |
| Wisconsin     | 244,605                  | 100.0                | 51,048          | 100.0                | 35,273          | 100.0                | 158,284         | 100.0                |
| Milwaukee     | 46,330                   | 18.9                 | 5,068           | 9.9                  | 13,529          | 38.4                 | 27,733          | 17.5                 |

Table 3 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL  
EDUCATION TEACHERS IN MAJOR CITIES, FY 1970

| <u>State</u>  | <u>City</u>  | <u>Number of<br/>Vocational<br/>Teachers</u> | <u>Percent-<br/>age</u> |
|---------------|--------------|--|-------------------------|
| Alabama       |              | 2,928  | 100.0                   |
|               | Birmingham   | 548  | 18.4                    |
|               | Mobile       | 219  | 7.4                     |
|               | Total        | 759  | 25.9                    |
| Colorado      |              | 2,529  | 100.0                   |
|               | Denver       | 825  | 32.6                    |
| Georgia       |              | 4,940  | 100.0                   |
|               | Atlanta      | 577  | 11.6                    |
| Hawaii        |              | 654  | 100.0                   |
|               | Honolulu     | 456  | 69.7                    |
| Illinois      |              | 11,495                                       | 100.0                   |
|               | Chicago      | 2,125  | 18.5                    |
| Indiana       |              | 2,704  | 100.0                   |
|               | Indianapolis | 178  | 6.5                     |
| Kansas        |              | 1,625  | 100.0                   |
|               | Wichita      | 269  | 16.5                    |
| Kentucky      |              | 2,817  | 100.0                   |
|               | Louisville   | 139  | 4.9                     |
| Louisiana     |              | 2,812  | 100.0                   |
|               | New Orleans  | 217  | 7.7                     |
| Massachusetts |              | 3,951  | 100.0                   |
|               | Boston       | 397  | 10.0                    |
| Michigan      |              | 6,643  | 100.0                   |
|               | Detroit      | 505  | 7.6                     |
| Minnesota     |              | 4,736  | 100.0                   |
|               | Minneapolis  | 694  | 14.7                    |
|               | St. Paul     | 569  | 12.0                    |
|               | Total        | 1,263  | 26.7                    |
| Missouri      |              | 3,685  | 100.0                   |
|               | Kansas City  | 314  | 8.1                     |
|               | St. Louis    | 547  | 14.1                    |
|               | Total        | 861  | 22.2                    |
| Nebraska      |              | 1,309  | 100.0                   |
|               | Omaha        | 319  | 24.3                    |

Table 3 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL  
EDUCATION TEACHERS IN MAJOR CITIES, FY 1970 (Cont'd)

| <u>State</u> | <u>City</u>   | <u>Number of<br/>Vocational<br/>Teachers</u> | <u>Percent-<br/>age</u> |
|--------------|---------------|--|-------------------------|
| New Jersey   |               | 4,082  | 100.0                   |
|              | Jersey City   | 93   | 2.3                     |
|              | Newark        | 158  | 3.9                     |
|              | Total         | 251  | 6.2                     |
| New Mexico   |               | 729  | 100.0                   |
|              | Albuquerque   | 194  | 26.6                    |
| Ohio         |               | 8,002  | 100.0                   |
|              | Akron         | 178  | 2.2                     |
|              | Cincinnati    | 201  | 2.5                     |
|              | Cleveland     | 475  | 5.9                     |
|              | Columbus      | 216  | 2.7                     |
|              | Dayton        | 410  | 5.1                     |
|              | Toledo        | 316  | 3.9                     |
|              | Total         | 1,796  | 22.4                    |
| Oklahoma     |               | 1,699  | 100.0                   |
|              | Oklahoma City | 260  | 15.3                    |
|              | Tulsa         | 145  | 8.5                     |
|              | Total         | 405  | 23.8                    |
| Oregon       |               | 2,208  | 100.0                   |
|              | Portland      | 669  | 30.3                    |
| Pennsylvania |               | 10,385                                       | 100.0                   |
|              | Philadelphia  | 1,128  | 10.8                    |
|              | Pittsburgh    | 245  | 2.3                     |
|              | Total         | 1,373  | 13.2                    |
| Tennessee    |               | 2,802  | 100.0                   |
|              | Memphis       | 565  | 20.2                    |
| Texas        |               | 8,076  | 100.0                   |
|              | Dallas        | 302  | 3.7                     |
|              | El Paso       | 128  | 1.5                     |
|              | Fort Worth    | 345  | 4.2                     |
|              | Houston       | 571  | 7.0                     |
|              | San Antonio   | 365  | 4.5                     |
|              | Total         | 1,711  | 21.1                    |
| Virginia     |               | 5,466  | 100.0                   |
|              | Norfolk       | 322  | 5.8                     |
| Washington   |               | 5,476  | 100.0                   |
|              | Seattle       | 1,262  | 23.2                    |
| Wisconsin    |               | 7,800  | 100.0                   |
|              | Milwaukee     | 1,296  | 16.6                    |

Table 4 - AMOUNT AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION  
EXPENDITURES IN MAJOR CITIES, BY SOURCE, FY 1970

|               | Federal      |                 | State/Local   |                 |
|---------------|--------------|-----------------|---------------|-----------------|
|               | Amount       | Percent-<br>age | Amount        | Percent-<br>age |
| Alabama       | \$ 5,769,317 | 100.0           | \$ 21,903,071 | 100.0           |
| Birmingham    | 899,539      | 15.6            | 2,240,876     | 10.2            |
| Mobile        | 301,657      | 5.2             | 1,314,742     | 6.0             |
| Total         | 1,201,196    | 20.8            | 3,555,618     | 16.2            |
| Colorado      | 3,284,866    | 100.0           | 9,257,387     | 100.0           |
| Denver        | 572,976      | 17.4            | 1,396,538     | 15.0            |
| Georgia       | 6,553,758    | 100.0           | 24,381,756    | 100.0           |
| Atlanta       | 741,938      | 11.3            | 2,320,445     | 9.5             |
| Hawaii        | 1,356,190    | 100.0           | 3,678,937     | 100.0           |
| Honolulu      | 863,510      | 63.6            | 2,596,685     | 70.5            |
| Illinois      | 14,885,381   | 100.0           | 115,530,249   | 100.0           |
| Chicago       | 4,303,210    | 28.9            | 35,001,210    | 30.3            |
| Indiana       | 8,746,969    | 100.0           | 14,806,510    | 100.0           |
| Indianapolis  | 372,253      | 4.3             | 434,222       | 2.9             |
| Kansas        | 3,817,178    | 100.0           | 9,902,280     | 100.0           |
| Wichita       | 554,239      | 14.5            | 1,545,979     | 15.6            |
| Kentucky      | 5,681,917    | 100.0           | 22,381,956    | 100.0           |
| Louisville    | 270,254      | 4.7             | 1,011,836     | 4.5             |
| Louisiana     | 7,051,210    | 100.0           | 11,770,922    | 100.0           |
| New Orleans   | 686,144      | 9.7             | 1,849,909     | 15.7            |
| Massachusetts | 4,196,932    | 100.0           | 96,732,979    | 100.0           |
| Boston        | 24,763       | 0.6             | 3,405,372     | 3.5             |
| Michigan      | 14,015,833   | 100.0           | 38,534,382    | 100.0           |
| Detroit       | 760,141      | 5.4             | 2,518,936     | 6.5             |
| Minnesota     | 6,367,259    | 100.0           | 31,295,892    | 100.0           |
| Minneapolis   | 730,677      | 11.5            | 2,742,863     | 8.8             |
| St. Paul      | 239,132      | 3.8             | 2,729,955     | 8.7             |
| Total         | 969,809      | 15.3            | 5,472,818     | 17.5            |
| Missouri      | 6,823,510    | 100.0           | 30,060,650    | 100.0           |
| Kansas City   | 1,152,602    | 16.9            | 3,467,326     | 11.5            |
| St. Louis     | 610,597      | 8.9             | 3,940,085     | 13.1            |
| Total         | 1,763,199    | 25.8            | 7,407,411     | 24.6            |
| Nebraska      | 2,221,405    | 100.0           | 4,249,607     | 100.0           |
| Omaha         | 420,435      | 18.9            | 913,916       | 17.4            |

Table 4 - AMOUNT AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION  
EXPENDITURES IN MAJOR CITIES, BY SOURCE, FY 1970 (Cont'd)

|               | Federal      |                 | State/Local   |                 |
|---------------|--------------|-----------------|---------------|-----------------|
|               | Amount       | Percent-<br>age | Amount        | Percent-<br>age |
| New Jersey    | \$ 8,976,545 | 100.0           | \$ 27,061,760 | 100.0           |
| Jersey City   | 44,380       | 0.1             | 34,891        | 0.1             |
| Newark        | 392,491      | 4.4             | 1,620,459     | 6.0             |
| Total         | 436,871      | 4.5             | 1,655,350     | 6.1             |
| New Mexico    | 2,431,239    | 100.0           | 4,236,840     | 100.0           |
| Albuquerque   | 481,410      | 19.8            | 755,312       | 17.8            |
| Ohio          | 15,290,625   | 100.0           | 27,411,586    | 100.0           |
| Akron         | 222,583      | 1.5             | 3,271,710     | 3.7             |
| Cincinnati    | 646,018      | 4.2             | 329,781       | 0.4             |
| Cleveland     | 907,390      | 5.9             | 2,177,087     | 2.5             |
| Columbus      | 176,217      | 1.2             | 22,583        | 0.3             |
| Dayton        | 548,071      | 3.6             | 2,160,573     | 1.3             |
| Toledo        | 547,369      | 3.6             | 993,968       | 1.1             |
| Total         | 3,047,648    | 19.9            | 8,166,702     | 9.3             |
| Oklahoma      | 4,354,925    | 100.0           | 15,526,168    | 100.0           |
| Oklahoma City | 601,502      | 13.8            | 1,779,965     | 11.5            |
| Tulsa         | 328,067      | 7.6             | 1,410,664     | 9.1             |
| Total         | 930,469      | 21.4            | 3,190,629     | 20.6            |
| Oregon        | 3,779,567    | 100.0           | 11,840,411    | 100.0           |
| Portland      | 1,102,593    | 29.2            | 2,887,189     | 24.4            |
| Pennsylvania  | 16,384,282   | 100.0           | 94,010,911    | 100.0           |
| Philadelphia  | 2,736,257    | 16.7            | 8,648,808     | 9.1             |
| Pittsburgh    | 1,091,325    | 6.7             | 5,908,989     | 6.2             |
| Total         | 3,827,582    | 23.4            | 14,557,797    | 15.5            |
| Tennessee     | 7,686,503    | 100.0           | 16,902,255    | 100.0           |
| Memphis       | 1,165,993    | 15.2            | 2,528,150     | 15.0            |
| Texas         | 19,458,139   | 100.0           | 61,481,701    | 100.0           |
| Dallas        | 772,466      | 3.9             | 1,308,266     | 2.1             |
| El Paso       | 212,483      | 1.0             | 773,567       | 1.2             |
| Fort Worth    | 816,674      | 4.1             | 1,474,418     | 2.3             |
| Houston       | 493,195      | 2.5             | 1,790,352     | 2.9             |
| San Antonio   | 949,649      | 4.8             | 1,450,252     | 2.3             |
| Total         | 3,244,467    | 16.6            | 6,796,855     | 11.0            |
| Virginia      | 7,514,956    | 100.0           | 24,922,320    | 100.0           |
| Norfolk       | 378,800      | 5.0             | 1,315,111     | 5.2             |
| Washington    | 3,823,612    | 100.0           | 34,561,010    | 100.0           |
| Seattle       | 355,809      | 9.3             | 1,644,036     | 4.7             |
| Wisconsin     | 6,518,188    | 100.0           | 48,985,859    | 100.0           |
| Milwaukee     | 1,522,922    | 23.4            | 16,988,844    | 34.7            |

Table 5 - AMOUNT AND PERCENTAGE OF STATES' TOTAL VOCATIONAL EDUCATION  
EXPENDITURES IN MAJOR CITIES, BY LEVEL, FY 1970

|               | Secondary    |                 | Postsecondary |                 | Adult      |                 |
|---------------|--------------|-----------------|---------------|-----------------|------------|-----------------|
|               | Amount       | Percent-<br>age | Amount        | Percent-<br>age | Amount     | Percent-<br>age |
| Alabama       | \$15,525,912 | 100.0           | \$11,564,625  | 100.0           | \$ 581,851 | 100.0           |
| Birmingham    | 1,907,032    | 12.2            | 1,015,557     | 8.8             | 217,826    | 37.4            |
| Mobile        | 547,866      | 3.5             | 1,035,157     | 9.0             | 33,376     | 5.7             |
| Total         | 2,454,898    | 15.8            | 2,050,714     | 17.7            | 251,202    | 43.2            |
| Colorado      | 7,159,560    | 100.0           | 4,718,179     | 100.0           | 664,510    | 100.0           |
|               | 1,056,842    | 14.8            | 496,598       | 10.5            | 416,744    | 62.6            |
| Georgia       | 15,355,309   | 100.0           | 12,403,409    | 100.0           | 176,796    | 100.0           |
| Atlanta       | 1,164,203    | 7.6             | 1,531,896     | 12.4            | 366,334    | 11.5            |
| Hawaii        | 2,061,361    | 100.0           | 2,717,885     | 100.0           | 255,581    | 100.0           |
| Honolulu      | 1,410,362    | 68.4            | 1,845,421     | 67.9            | 204,512    | 79.9            |
| Illinois      | 93,632,950   | 100.0           | 27,420,634    | 100.0           | 9,362,946  | 100.0           |
| Chicago       | 27,164,925   | 29.0            | 5,618,100     | 20.5            | 6,521,395  | 69.7            |
| Indiana       | 20,594,010   | 100.0           | 2,704,416     | 100.0           | 255,053    | 100.0           |
| Indianapolis  | 590,189      | 2.9             | 213,894       | 7.9             | 2,392      | 0.9             |
| Kansas        | 8,727,165    | 100.0           | 4,323,086     | 100.0           | 669,207    | 100.0           |
| Wichita       | 1,667,025    | 19.1            | 323,169       | 7.5             | 110,024    | 16.4            |
| Kentucky      | 17,254,332   | 100.0           | 8,413,576     | 100.0           | 2,395,965  | 100.0           |
| Louisville    | 812,870      | 4.7             | 391,353       | 4.7             | 85,598     | 3.6             |
| Louisiana     | 11,733,102   | 100.0           | 5,842,030     | 100.0           | 1,247,000  | 100.0           |
| New Orleans   | 1,182,645    | 10.1            | 1,252,667     | 21.4            | 100,741    | 8.1             |
| Massachusetts | 82,512,176   | 100.0           | 17,186,965    | 100.0           | 1,230,770  | 100.0           |
| Boston        | 3,218,907    | 3.9             | 152,996       | 0.9             | 58,232     | 4.7             |
| Michigan      | 34,571,849   | 100.0           | 13,588,896    | 100.0           | 4,389,470  | 100.0           |
| Detroit       | 2,546,183    | 7.4             | --            | --              | 732,894    | 16.7            |
| Minnesota     | 11,807,155   | 100.0           | 23,373,363    | 100.0           | 2,482,633  | 100.0           |
| Minneapolis   | 1,706,438    | 14.5            | 1,497,596     | 6.4             | 269,536    | 10.9            |
| St. Paul      | 452,039      | 3.8             | 2,098,087     | 9.0             | 459,817    | 18.5            |
| Total         | 2,158,477    | 18.3            | 3,595,683     | 15.4            | 729,353    | 29.4            |
| Missouri      | 26,094,529   | 100.0           | 5,664,445     | 100.0           | 1,103,393  | 100.0           |
| Kansas City   | 1,288,704    | 4.9             | 944,993       | 16.7            | 76,466     | 6.9             |
| St. Louis     | 2,731,303    | 10.5            | 1,479,689     | 26.1            | 339,690    | 30.8            |
| Total         | 4,020,007    | 15.4            | 2,424,682     |                 |            |                 |
| Nebraska      | 4,434,143    | 100.0           | 2,670,392     | 100.0           | 366,468    | 100.0           |
| Omaha         | 1,022,951    | 23.1            | 194,799       | 7.3             | 116,661    | 31.8            |

Table 5 - AMOUNT AND PERCENTAGE OF STATES' TOTAL VOCATIONAL EDUCATION  
EXPENDITURES IN MAJOR CITIES, BY LEVEL, FY 1970 (Cont'd)

|               | Secondary    |                 | Postsecondary |                 | Adult        |                 |
|---------------|--------------|-----------------|---------------|-----------------|--------------|-----------------|
|               | Amount       | Percent-<br>age | Amount        | Percent-<br>age | Amount       | Percent-<br>age |
| New Jersey    | \$32,547,920 | 100.0           | \$ 2,197,286  | 100.0           | \$ 1,293,099 | 100.0           |
| Jersey City   | 79,271       | 0.2             | --            | --              | --           | --              |
| Newark        | 1,746,902    | 5.4             | 168,076       | 7.6             | 97,972       | 7.6             |
| Total         | 1,826,173    | 5.6             | 168,076       | 7.6             | 97,972       | 7.6             |
| New Mexico    | 3,999,256    | 100.0           | 2,394,509     | 100.0           | 274,311      | 100.0           |
| Albuquerque   | 380,664      | 9.5             | 755,277       | 31.5            | 100,781      | 36.7            |
| Ohio          | 92,652,303   | 100.0           | 6,906,819     | 100.0           | 3,184,089    | 100.0           |
| Akron         | 3,291,697    | 3.6             | 91,025        | 1.3             | 112,571      | 3.5             |
| Cincinnati    | 648,055      | 0.7             | 223,598       | 3.2             | 114,146      | 3.6             |
| Cleveland     | 2,393,379    | 2.6             | 208,024       | 3.0             | 483,074      | 15.2            |
| Columbus      | 142,295      | 0.2             | 123,976       | 1.8             | 132,529      | 4.2             |
| Dayton        | 1,216,839    | 1.3             | 197,516       | 2.9             | 294,289      | 9.2             |
| Toledo        | 934,592      | 1.0             | 254,347       | 3.7             | 352,398      | 11.1            |
| Total         | 8,626,857    | 9.3             | 1,098,486     | 15.9            | 1,489,007    | 46.8            |
| Oklahoma      | 15,441,961   | 100.0           | 3,466,285     | 100.0           | 972,847      | 100.0           |
| Oklahoma City | 2,068,805    | 13.4            | 272,518       | 7.9             | 40,144       | 4.1             |
| Tulsa         | 1,451,042    | 9.4             | 158,763       | 4.6             | 129,826      | 13.3            |
| Total         | 3,519,847    | 22.8            | 431,281       | 12.4            | 169,970      | 17.4            |
| Oregon        | 6,163,106    | 100.0           | 7,236,646     | 100.0           | 2,220,226    | 100.0           |
| Portland      | 1,740,338    | 28.2            | 1,701,488     | 23.5            | 547,956      | 24.7            |
| Pennsylvania  | 96,120,015   | 100.0           | 8,419,802     | 100.0           | 5,856,376    | 100.0           |
| Philadelphia  | 9,216,680    | 9.6             | 781,908       | 9.3             | 1,386,477    | 23.7            |
| Pittsburgh    | 5,625,819    | 5.9             | 988,515       | 11.7            | 295,580      | 5.0             |
| Total         | 14,842,499   | 15.4            | 1,770,423     | 21.0            | 1,682,057    | 28.7            |
| Tennessee     | 14,651,030   | 100.0           | 9,122,074     | 100.0           | 815,654      | 100.0           |
| Memphis       | 1,691,490    | 11.5            | 1,769,254     | 19.4            | 233,399      | 28.6            |
| Texas         | 53,808,424   | 100.0           | 24,698,621    | 100.0           | 2,432,800    | 100.0           |
| Dallas        | 795,064      | 1.5             | 1,147,138     | 4.6             | 138,530      | 5.7             |
| El Paso       | 869,358      | 1.6             | 34,276        | 0.1             | 82,416       | 3.4             |
| Fort Worth    | 1,221,142    | 2.3             | 1,015,805     | 4.1             | 54,145       | 2.2             |
| Houston       | 1,811,149    | 3.4             | 113,849       | 0.5             | 358,549      | 14.7            |
| San Antonio   | 658,521      | 1.2             | 1,681,681     | 6.8             | 59,699       | 2.5             |
| Total         | 5,355,234    | 10.0            | 3,992,749     | 16.2            | 693,339      | 28.5            |
| Virginia      | 25,440,872   | 100.0           | 4,942,808     | 100.0           | 2,054,099    | 100.0           |
| Norfolk       | 1,161,536    | 4.6             | 307,817       | 6.2             | 224,558      | 10.9            |
| Washington    | 20,302,191   | 100.0           | 18,018,689    | 100.0           | 63,742       | 100.0           |
| Seattle       | 372,684      | 1.8             | 1,623,161     | 1.8             | 4,000        | 6.3             |
| Wisconsin     | 6,350,530    | 100.0           | 40,589,312    | 100.0           | 8,564,205    | 100.0           |
| Milwaukee     | 683,176      | 10.8            | 14,923,841    | 36.8            | 2,904,749    | 33.9            |



Table 6 - ENROLLMENT, EXPENDITURES, AND PERCENTAGE OF STATES' TOTAL  
IN MAJOR CITIES, BY TARGET GROUP, FY 1970

|               | Disadvantaged   |                      |                   |                      | Handicapped     |                      |                   |                      |
|---------------|-----------------|----------------------|-------------------|----------------------|-----------------|----------------------|-------------------|----------------------|
|               | Enroll-<br>ment | Per-<br>cent-<br>age | Expendi-<br>tures | Per-<br>cent-<br>age | Enroll-<br>ment | Per-<br>cent-<br>age | Expendi-<br>tures | Per-<br>cent-<br>age |
| Alabama       | 30,261          | 100.0                | \$2,367,549       | 100.0                | 3,019           | 100.0                | \$ 376,620        | 100.0                |
| Birmingham    | 1,750           | 5.7                  | 240,810           | 10.2                 | 806             | 26.6                 | 72,778            | 19.3                 |
| Mobile        | 515             | 1.7                  | 103,504           | 4.4                  | 234             | 7.7                  | 19,595            | 5.2                  |
| Total         | 2,265           | 7.4                  | 344,413           | 14.5                 | 1,040           | 34.4                 | 92,368            | 24.5                 |
| Colorado      | 2,723           | 100.0                | 944,795           | 100.0                | 1,971           | 100.0                | 1,010,802         | 100.0                |
| Denver        | 154             | 5.6                  | 168,588           | 24.8                 | 515             | 26.1                 | 243,168           | 24.1                 |
| Georgia       | 55,136          | 100.0                | 1,224,905         | 100.0                | 16,372          | 100.0                | 673,395           | 100.0                |
| Atlanta       | 12,150          | 22.0                 | 309,346           | 25.3                 | 2,058           | 12.5                 | 121,974           | 18.1                 |
| Hawaii        | 4,916           | 100.0                | 648,257           | 100.0                | 438             | 100.0                | 96,564            | 100.0                |
| Honolulu      | 3,505           | 71.2                 | 430,524           | 66.4                 | 438             | 100.0                | 86,095            | 89.2                 |
| Illinois      | 79,075          | 100.0                | 6,009,671         | 100.0                | 4,670           | 100.0                | 2,442,661         | 100.0                |
| Chicago       | 61,710          | 78.0                 | 3,200,635         | 53.4                 | 879             | 18.8                 | 94,852            | 3.9                  |
| Indiana       | 2,701           | 100.0                | 2,659,166         | 100.0                | 1,087           | 100.0                | 1,046,047         | 100.0                |
| Indianapolis  | 215             | 7.9                  | 152,832           | 5.7                  | 55              | 5.1                  | 5,985             | 0.6                  |
| Kansas        | 3,596           | 100.0                | 1,070,893         | 100.0                | 3,524           | 100.0                | 428,596           | 100.0                |
| Wichita       | 1,763           | 20.5                 | 218,265           | 20.4                 | 569             | 16.1                 | 70,750            | 16.5                 |
| Kentucky      | 9,354           | 100.0                | 538,411           | 100.0                | 643             | 100.0                | 352,024           | 100.0                |
| Louisville    |                 |                      | 54,146            | 10.1                 |                 |                      | 54,999            | 15.6                 |
| Louisiana     | 48,403          | 100.0                | 3,901,285         | 100.0                | 615             | 100.0                | 574,967           | 100.0                |
| New Orleans   | 3,895           | 8.0                  | 367,277           | 9.4                  | 15              | 2.4                  | 14,763            | 2.6                  |
| Massachusetts | 259             | 100.0                | 260,830           | 100.0                | 141             | 100.0                | 140,087           | 100.0                |
| Boston        | ---             | ---                  | ---               | ---                  | ---             | ---                  | ---               | ---                  |
| Michigan      | 10,424          | 100.0                | 3,032,988         | 100.0                | ---             | ---                  | 1,337,641         | 100.0                |
| Detroit       | 7,710           | 73.9                 | 315,124           | 10.4                 | ---             | ---                  | ---               | ---                  |
| Minnesota     | 10,223          | 100.0                | 1,498,204         | 100.0                | 5,401           | 100.0                | 858,861           | 100.0                |
| Minneapolis   | 2,385           | 23.3                 | 868,811           | 58.0                 | 2,048           | 37.9                 | 320,113           | 37.3                 |
| St. Paul      | 1,844           | 18.0                 | 100,924           | 6.7                  | 335             | 6.2                  | 27,025            | 3.1                  |
| Total         | 4,229           | 41.3                 | 969,735           | 64.7                 | 2,383           | 44.1                 | 347,138           | 40.4                 |
| Missouri      | 9,651           | 100.0                | 1,280,365         | 100.0                | 2,834           | 100.0                | 256,087           | 100.0                |
| Kansas City   | 691             | 7.2                  | 145,292           | 11.3                 | ---             | ---                  | ---               | ---                  |
| St. Louis     | 300             | 3.1                  | 363,954           | 28.4                 | 278             | 9.8                  | 70,401            | 27.5                 |
| Total         | 991             | 10.3                 | 509,246           | 39.7                 | 278             | 9.8                  | 70,401            | 27.5                 |
| Nebraska      | 6,833           | 100.0                | 441,655           | 100.0                | 413             | 100.0                | 68,564            | 100.0                |
| Omaha         | 94              | 13.7                 | 134,392           | 41.8                 | 56              | 13.5                 | 27,398            | 40.0                 |



Table - ENROLLMENT, EXPENDITURES, AND PERCENTAGE OF STATES' TOTAL  
IN MAJOR CITY BY TARGET GROUP, FY 1970 (Cont'd)

|               | Disadvantaged   |                      |                   |                      | Handicapped     |                      |                   |                      |
|---------------|-----------------|----------------------|-------------------|----------------------|-----------------|----------------------|-------------------|----------------------|
|               | Enroll-<br>ment | Per-<br>cent-<br>age | Expendi-<br>tures | Per-<br>cent-<br>age | Enroll-<br>ment | Per-<br>cent-<br>age | Expendi-<br>tures | Per-<br>cent-<br>age |
| New Jersey    | 7,307           | 100.0                | \$2,276,433       | 100.0                | 3,475           | 100.0                | \$1,390,297       | 100.0                |
| Jersey City   | 1,063           | 14.5                 | 27,086            | 1.2                  | ---             | ---                  | ---               | ---                  |
| Newark        | 201             | 2.8                  | 168,556           | 7.4                  | ---             | ---                  | 168,065           | 12.1                 |
| Total         | 1,264           | 17.3                 | 195,642           | 8.6                  | ---             | ---                  | 168,065           | 12.1                 |
| New Mexico    | 11,579          | 100.0                | 1,482,969         | 100.0                | 842             | 100.0                | 676,410           | 100.0                |
| Albuquerque   | 3,515           | 30.3                 | 18,354            | 1.2                  | 280             | 33.2                 | 286,864           | 42.4                 |
| Ohio          | 18,563          | 100.0                | 7,373,831         | 100.0                | 1,814           | 100.0                | 963,911           | 100.0                |
| Akron         | 706             | 3.8                  | 65,241            | 0.9                  | 7               | 0.4                  | 21,931            | 2.3                  |
| Cincinnati    | 403             | 2.2                  | 194,656           | 2.6                  | 553             | 29.4                 | 111,281           | 11.5                 |
| Cleveland     | 1,803           | 9.7                  | 469,604           | 6.4                  | 18              | 1.0                  | 94,433            | 9.8                  |
| Columbus      | 330             | 1.8                  | 176,873           | 2.4                  | 48              | 2.6                  | 12,169            | 1.3                  |
| Dayton        | 1,516           | 8.2                  | 375,171           | 5.1                  | 21              | 1.2                  | 31,678            | 3.3                  |
| Toledo        | 1,037           | 5.6                  | 147,792           | 2.0                  | 90              | 5.0                  | 10,066            | 1.0                  |
| Total         | 5,795           | 31.2                 | 1,429,337         | 19.4                 | 737             | 40.6                 | 281,558           | 29.2                 |
| Oklahoma      | 17,883          | 100.0                | 8,967,032         | 100.0                | 4,647           | 100.0                | 714,929           | 100.0                |
| Oklahoma City | 625             | 3.4                  | 1,851,383         | 20.6                 | 270             | 5.8                  | 143,212           | 20.0                 |
| Tulsa         | 286             | 1.5                  | 1,235,777         | 13.8                 | 118             | 2.5                  | 32,959            | 4.6                  |
| Total         | 911             | 5.1                  | 3,087,160         | 34.4                 | 388             | 8.3                  | 176,171           | 24.6                 |
| Oregon        | 3,746           | 100.0                | 740,383           | 100.0                | 1,041           | 100.0                | 402,597           | 100.0                |
| Portland      | 783             | 20.9                 | 290,651           | 39.3                 | 283             | 27.2                 | 200,275           | 49.7                 |
| Pennsylvania  | 33,999          | 100.0                | 10,574,412        | 100.0                | 2,451           | 100.0                | 3,794,316         | 100.0                |
| Philadelphia  | 25,479          | 74.9                 | 6,526,864         | 61.7                 | 2,451           | 100.0                | 1,782,021         | 47.0                 |
| Pittsburgh    | ---             | ---                  | 2,110,166         | 20.0                 | ---             | ---                  | 118,777           | 3.1                  |
| Total         | 25,479          | 74.9                 | 8,637,030         | 81.7                 | 2,451           | 100.0                | 1,900,798         | 50.1                 |
| Tennessee     | 10,717          | 100.0                | 2,540,565         | 100.0                | 293             | 100.0                | 637,386           | 100.0                |
| Memphis       | 910             | 8.5                  | 460,891           | 18.1                 | ---             | ---                  | 81,208            | 12.7                 |
| Texas         | 9,781           | 100.0                | 4,584,792         | 100.0                | 8,051           | 100.0                | 1,534,528         | 100.0                |
| Dallas        | 315             | 3.2                  | 75,996            | 1.7                  | ---             | ---                  | ---               | ---                  |
| El Paso       | 1,054           | 10.7                 | 284,367           | 6.2                  | 62              | 0.8                  | 30,108            | 2.0                  |
| Fort Worth    | 275             | 2.8                  | 241,302           | 5.3                  | 80              | 1.0                  | 36,073            | 2.4                  |
| Houston       | 569             | 5.8                  | 187,689           | 4.1                  | 37              | 0.5                  | 46,885            | 3.1                  |
| San Antonio   | 160             | 1.6                  | ---               | ---                  | ---             | ---                  | ---               | ---                  |
| Total         | 2,373           | 24.2                 | 789,354           | 17.2                 | 179             | 2.2                  | 113,066           | 7.4                  |
| Virginia      | 11,556          | 100.0                | 2,061,100         | 100.0                | 1,378           | 100.0                | 549,243           | 100.0                |
| Norfolk       | 2,494           | 21.5                 | 62,204            | 3.0                  | 78              | 5.6                  | ---               | ---                  |
| Washington    | 6,669           | 100.0                | 2,082,558         | 100.0                | 2,786           | 100.0                | 1,193,918         | 100.0                |
| Seattle       | 678             | 10.1                 | 128,617           | 6.2                  | 369             | 13.2                 | 47,782            | 4.0                  |
| Wisconsin     | 8,055           | 100.0                | 1,683,952         | 100.0                | 385             | 100.0                | 842,242           | 100.0                |
| Milwaukee     | 923             | 11.4                 | 868,649           | 51.6                 | 5               | 1.3                  | 548,711           | 65.2                 |

Table 7 - COMPARISON OF PERCENTAGES OF STATES' POPULATION,  
VOCATIONAL ENROLLMENT, EXPENDITURES, AND TEACHERS  
IN MAJOR CITIES, FY 1970

| State         | City         | Popula-<br>tion | Total<br>Enroll-<br>ment | Federal<br>Expendi-<br>tures | S/L<br>Expendi-<br>tures | Teachers |
|---------------|--------------|-----------------|--------------------------|------------------------------|--------------------------|----------|
| Alabama       | Birmingham   | 8.7             | 7.8                      | 15.6                         | 10.2                     | 18.4     |
|               | Mobile       | 5.5             | 5.7                      | 5.2                          | 6.0                      | 7.4      |
| Colorado      | Denver       | 23.3            | 30.9                     | 17.4                         | 15.0                     | 32.6     |
| Georgia       | Atlanta      | 10.8            | 11.4                     | 11.3                         | 9.5                      | 11.6     |
| Hawaii        | Honolulu     | 42.2            | 74.9                     | 63.6                         | 70.5                     | 69.7     |
| Illinois      | Chicago      | 30.3            | 20.9                     | 28.9                         | 30.3                     | 18.5     |
| Indiana       | Indianapolis | 14.3            | 3.5                      | 4.3                          | 2.9                      | 6.5      |
| Kansas        | Wichita      | 12.3            | 17.2                     | 14.5                         | 15.6                     | 16.5     |
| Kentucky      | Louisville   | 11.2            | 4.2                      | 4.7                          | 4.5                      | 4.9      |
| Louisiana     | New Orleans  | 16.3            | 7.4                      | 9.7                          | 15.7                     | 7.7      |
| Massachusetts | Boston       | 11.3            | 9.5                      | 0.6                          | 3.5                      | 10.0     |
| Michigan      | Detroit      | 17.0            | 9.5                      | 5.4                          | 6.5                      | 7.6      |
| Minnesota     | Minneapolis  | 11.4            | 13.6                     | 11.5                         | 8.8                      | 14.7     |
|               | St. Paul     | 8.1             | 13.8                     | 3.8                          | 8.7                      | 12.0     |
| Missouri      | Kansas City  | 10.8            | 5.6                      | 16.9                         | 11.5                     | 8.1      |
|               | St. Louis    | 13.3            | 11.9                     | 8.9                          | 13.1                     | 14.1     |
| Nebraska      | Omaha        | 23.4            | 12.6                     | 18.9                         | 17.4                     | 24.3     |
| New Jersey    | Jersey City  | 3.6             | 3.9                      | 0.1                          | 0.1                      | 2.3      |
|               | Newark       | 5.3             | 5.9                      | 4.4                          | 6.0                      | 3.9      |
| New Mexico    | Albuquerque  | 24.0            | 30.9                     | 19.8                         | 17.8                     | 26.6     |
| Ohio          | Akron        | 2.8             | 1.4                      | 1.5                          | 3.7                      | 2.2      |
|               | Cincinnati   | 4.2             | 4.6                      | 4.2                          | 0.4                      | 2.5      |
|               | Cleveland    | 7.0             | 6.5                      | 5.9                          | 2.5                      | 3.9      |
|               | Columbus     | 5.1             | 1.7                      | 1.2                          | 0.3                      | 2.7      |
|               | Dayton       | 2.3             | 3.1                      | 3.6                          | 1.3                      | 5.1      |
|               | Toledo       | 3.6             | 13.4                     | 3.6                          | 1.1                      | 3.9      |

Table 7 - COMPARISON OF PERCENTAGES OF STATES' POPULATION,  
VOCATIONAL ENROLLMENT, EXPENDITURES, AND TEACHERS  
IN MAJOR CITIES, FY 1970 (Cont'd)

| <u>State</u> | <u>City</u>   | <u>Popula-<br/>tion</u> | <u>Total<br/>Enroll-<br/>ment</u> | <u>Federal<br/>Expendi-<br/>tures</u> | <u>S/L<br/>Expendi-<br/>tures</u> | <u>Teachers</u> |
|--------------|---------------|-------------------------|-----------------------------------|---------------------------------------|-----------------------------------|-----------------|
| Oklahoma     | Oklahoma City | 14.3                    | 6.9                               | 13.8                                  | 11.5                              | 15.3            |
|              | Tulsa         | 13.0                    | 3.8                               | 7.6                                   | 9.1                               | 8.5             |
| Oregon       | Portland      | 18.3                    | 35.6                              | 29.2                                  | 24.4                              | 30.3            |
| Pennsylvania | Philadelphia  | 16.5                    | 12.4                              | 16.7                                  | 9.1                               | 10.8            |
|              | Pittsburgh    | 4.4                     | 2.9                               | 6.7                                   | 6.2                               | 2.3             |
| Tennessee    | Memphis       | 15.9                    | 13.6                              | 15.2                                  | 15.0                              | 20.2            |
| Texas        | Dallas        | 7.5                     | 5.8                               | 3.9                                   | 2.1                               | 3.7             |
|              | El Paso       | 2.9                     | 2.8                               | 1.0                                   | 1.2                               | 1.5             |
|              | Fort Worth    | 2.5                     | 2.8                               | 4.1                                   | 2.3                               | 4.2             |
|              | Houston       | 11.0                    | 6.8                               | 2.5                                   | 2.9                               | 7.0             |
|              | San Antonio   | 5.8                     | 2.8                               | 4.8                                   | 2.3                               | 4.5             |
| Virginia     | Norfolk       | 6.6                     | 6.1                               | 5.0                                   | 5.2                               | 5.8             |
| Washington   | Seattle       | 15.6                    | 11.3                              | 9.3                                   | 4.7                               | 23.2            |
| Wisconsin    | Milwaukee     | 16.2                    | 18.9                              | 23.4                                  | 34.7                              | 16.6            |

Table 8 - COMPARISON OF PERCENTAGES OF STATES' VOCATIONAL  
ENROLLMENT AND EXPENDITURES IN MAJOR CITIES,  
BY LEVEL AND TARGET GROUP, FY 1970

| State and City | Secondary |      | Post-<br>secondary |      | Adult |      | Disadvantaged |      | Handicapped |      |
|----------------|-----------|------|--------------------|------|-------|------|---------------|------|-------------|------|
|                | Enr.      | Exp. | Enr.               | Exp. | Enr.  | Exp. | Enr.          | Exp. | Enr.        | Exp. |
| Alabama        |           |      |                    |      |       |      |               |      |             |      |
| Birmingham     | 6.5       | 12.2 | 8.9                | 8.8  | 10.0  | 37.4 | 5.7           | 10.2 | 26.6        | 19.3 |
| Mobile         | 3.7       | 3.5  | 10.1               | 9.0  | 8.1   | 5.7  | 1.7           | 4.4  | 7.7         | 5.2  |
| Colorado       |           |      |                    |      |       |      |               |      |             |      |
| Denver         | 12.4      | 14.8 | 14.8               | 10.5 | 14.8  | 62.6 | 5.6           | 24.8 | 26.1        | 24.1 |
| Georgia        |           |      |                    |      |       |      |               |      |             |      |
| Atlanta        | 5.9       | 7.6  | 19.0               | 12.4 | 19.0  | 11.5 | 22.0          | 25.3 | 12.5        | 18.1 |
| Hawaii         |           |      |                    |      |       |      |               |      |             |      |
| Honolulu       | 75.0      | 68.4 | 77.9               | 67.9 | 71.8  | 79.9 | 71.2          | 66.4 | 100.0       | 89.2 |
| Illinois       |           |      |                    |      |       |      |               |      |             |      |
| Chicago        | 17.7      | 29.0 | 3.7                | 20.5 | 39.2  | 69.7 | 78.0          | 53.4 | 18.8        | 3.9  |
| Indiana        |           |      |                    |      |       |      |               |      |             |      |
| Indianapolis   | 2.8       | 2.9  | 6.4                | 7.9  | 4.4   | 0.9  | 7.9           | 5.7  | 5.1         | 0.6  |
| Kansas         |           |      |                    |      |       |      |               |      |             |      |
| Wichita        | 19.2      | 19.1 | 5.7                | 7.5  | 1.7   | 16.4 | 20.5          | 20.4 | 16.1        | 16.5 |
| Kentucky       |           |      |                    |      |       |      |               |      |             |      |
| Louisville     | 5.0       | 4.7  | 2.5                | 4.7  | 3.0   | 3.6  | 0             | 10.1 | 0           | 15.6 |
| Louisiana      |           |      |                    |      |       |      |               |      |             |      |
| New Orleans    | 6.1       | 10.1 | 10.4               | 21.4 | 11.6  | 8.1  | 8.0           | 9.4  | 2.4         | 2.6  |
| Massachusetts  |           |      |                    |      |       |      |               |      |             |      |
| Boston         | 9.7       | 3.9  | 2.2                | 0.9  | 13.3  | 4.7  | 0             | 0    | 0           | 0    |
| Michigan       |           |      |                    |      |       |      |               |      |             |      |
| Detroit        | 11.3      | 7.4  | 0.1                | 0    | 9.5   | 16.7 | 73.9          | 10.4 | 0           | 0    |
| Minnesota      |           |      |                    |      |       |      |               |      |             |      |
| Minneapolis    | 9.6       | 14.5 | 7.0                | 6.4  | 21.0  | 10.9 | 23.3          | 58.0 | 37.9        | 37.3 |
| St. Paul       | 8.8       | 3.8  | 14.0               | 9.0  | 21.4  | 18.5 | 18.0          | 6.7  | 6.2         | 3.1  |
| Missouri       |           |      |                    |      |       |      |               |      |             |      |
| Kansas City    | 1.9       | 4.9  | 23.0               | 16.7 | 11.0  | 6.9  | 7.2           | 11.3 | 0           | 0    |
| St. Louis      | 7.1       | 10.5 | 31.1               | 26.1 | 19.7  | 30.8 | 3.1           | 28.4 | 9.8         | 27.5 |
| Nebraska       |           |      |                    |      |       |      |               |      |             |      |
| Omaha          | 12.6      | 23.1 | 9.1                | 7.3  | 13.3  | 31.8 | 13.7          | 41.8 | 13.5        | 40.0 |

Table 8 - COMPARISON OF PERCENTAGES OF STATES' VOCATIONAL  
ENROLLMENT AND EXPENDITURES IN MAJOR CITIES,  
BY LEVEL AND TARGET GROUP, FY 1970 (Cont'd)

| State and City | Secondary |      | Post-secondary |      | Adult |      | Disadvantaged |      | Handicapped |      |
|----------------|-----------|------|----------------|------|-------|------|---------------|------|-------------|------|
|                | Enr.      | Exp. | Enr.           | Exp. | Enr.  | Exp. | Enr.          | Exp. | Enr.        | Exp. |
| New Jersey     |           |      |                |      |       |      |               |      |             |      |
| Jersey City    | 4.8       | 0.2  | 0              | 0    | 1.1   | 0    | 14.5          | 1.2  | 0           | 0    |
| Newark         | 7.1       | 5.4  | 0              | 7.6  | 2.5   | 7.6  | 2.8           | 7.4  | 0           | 12.1 |
| New Mexico     |           |      |                |      |       |      |               |      |             |      |
| Albuquerque    | 16.4      | 9.5  | 41.6           | 31.5 | 78.2  | 36.7 | 30.3          | 1.2  | 33.2        | 42.4 |
| Ohio           |           |      |                |      |       |      |               |      |             |      |
| Akron          | 1.7       | 3.6  | 2.5            | 1.3  | 1.1   | 3.5  | 3.8           | 0.2  | 0.4         | 2.3  |
| Cincinnati     | 2.6       | 0.7  | 7.6            | 3.2  | 6.0   | 3.6  | 2.2           | 2.6  | 29.4        | 11.5 |
| Cleveland      | 4.9       | 2.6  | 3.8            | 3.0  | 7.8   | 15.2 | 9.7           | 6.4  | 1.0         | 9.8  |
| Columbus       | 1.4       | 0.2  | 2.1            | 1.8  | 2.0   | 4.2  | 1.8           | 2.4  | 2.6         | 1.3  |
| Dayton         | 2.2       | 1.3  | 4.2            | 2.9  | 3.7   | 9.2  | 8.2           | 5.1  | 1.2         | 3.3  |
| Toledo         | 4.4       | 1.0  | 3.0            | 3.7  | 21.0  | 11.1 | 5.6           | 2.0  | 5.0         | 1.0  |
| Oklahoma       |           |      |                |      |       |      |               |      |             |      |
| Oklahoma City  | 4.7       | 13.4 | 12.0           | 7.9  | 10.3  | 4.1  | 3.4           | 20.6 | 5.8         | 20.0 |
| Tulsa          | 2.8       | 9.4  | 6.5            | 4.6  | 5.3   | 13.3 | 1.5           | 13.8 | 2.5         | 4.6  |
| Oregon         |           |      |                |      |       |      |               |      |             |      |
| Portland       | 25.9      | 28.2 | 7.4            | 23.5 | 80.9  | 24.7 | 20.9          | 39.3 | 27.2        | 49.7 |
| Pennsylvania   |           |      |                |      |       |      |               |      |             |      |
| Philadelphia   | 14.1      | 9.6  | 3.0            | 9.3  | 11.1  | 23.7 | 74.9          | 61.7 | 100.0       | 47.0 |
| Pittsburgh     | 4.1       | 5.9  | 2.0            | 11.7 | 1.0   | 5.0  | 0             | 20.0 | 0           | 3.1  |
| Tennessee      |           |      |                |      |       |      |               |      |             |      |
| Memphis        | 10.3      | 11.5 | 18.3           | 19.4 | 20.9  | 28.6 | 8.5           | 18.1 | 0           | 12.7 |
| Texas          |           |      |                |      |       |      |               |      |             |      |
| Dallas         | 0.9       | 1.5  | 7.2            | 4.6  | 11.7  | 5.7  | 3.2           | 1.7  | 0           | 0    |
| El Paso        | 2.0       | 1.6  | 0.3            | 0.1  | 4.2   | 3.4  | 10.7          | 6.2  | 0.8         | 2.0  |
| Fort Worth     | 3.0       | 2.3  | 9.3            | 4.1  | 1.6   | 2.2  | 2.8           | 5.3  | 1.0         | 2.4  |
| Houston        | 7.2       | 3.4  | 8.4            | 0.5  | 6.1   | 14.7 | 5.8           | 4.1  | 0.5         | 3.1  |
| San Antonio    | 1.7       | 1.2  | 8.8            | 6.8  | 3.5   | 2.5  | 1.6           | 0    | 0           | 0    |
| Virginia       |           |      |                |      |       |      |               |      |             |      |
| Norfolk        | 5.9       | 4.6  | 7.6            | 6.2  | 6.5   | 10.9 | 21.5          | 3.0  | 5.6         | 0    |
| Washington     |           |      |                |      |       |      |               |      |             |      |
| Seattle        | 6.6       | 1.8  | 10.4           | 1.8  | 20.5  | 6.3  | 10.1          | 6.2  | 13.2        | 4.0  |
| Wisconsin      |           |      |                |      |       |      |               |      |             |      |
| Milwaukee      | 9.9       | 10.8 | 38.4           | 36.8 | 17.5  | 33.9 | 11.4          | 51.6 | 1.3         | 65.1 |